

1678.

A N
ALMANACK

O F
Cœlestial motions for the year of the
Christian *Epocha*

1 6 7 8

Being (in our account) third after
Leap-year, and from the Creation

5 6 2 7.

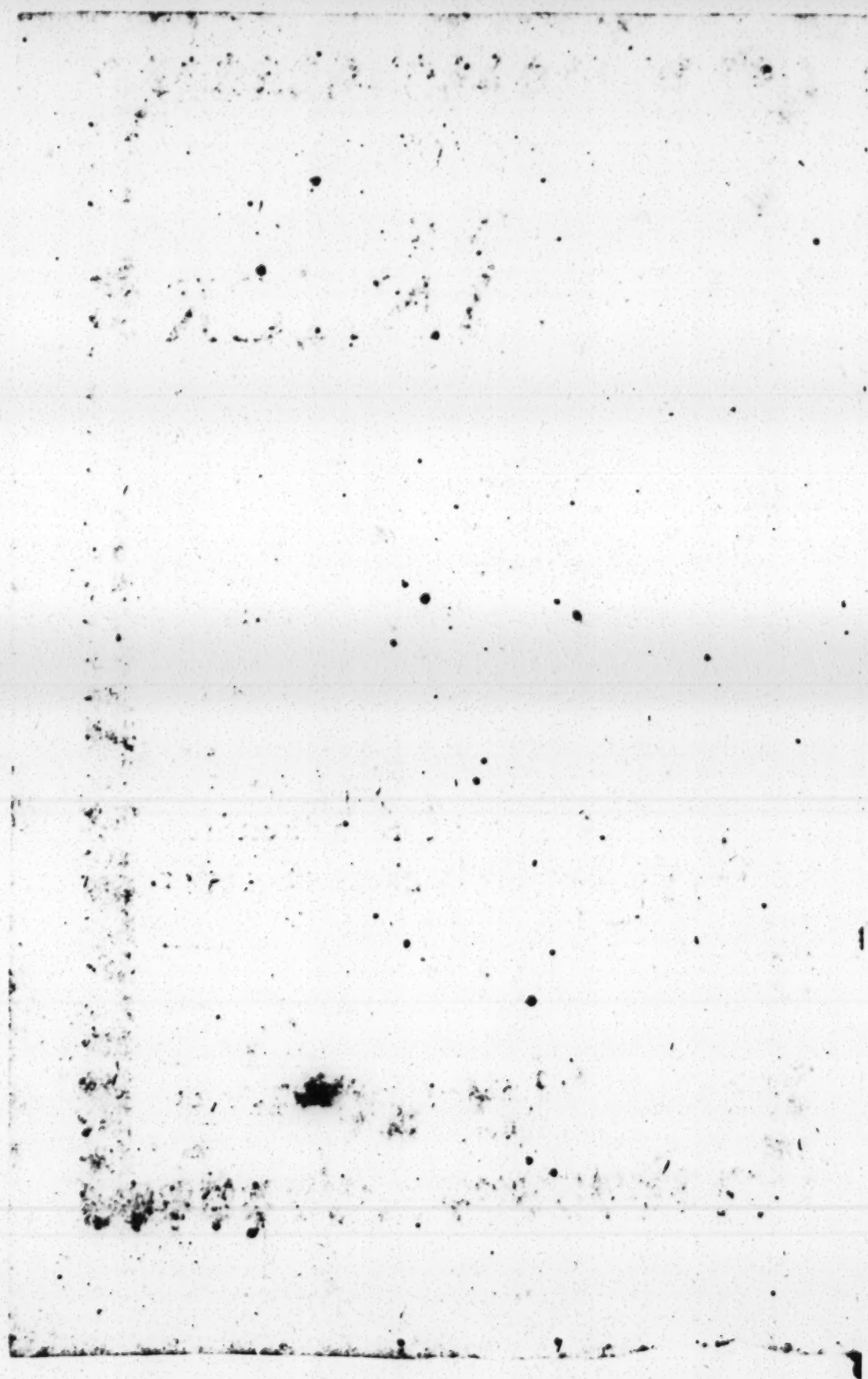
The Vulgar Notes are

Golden numb. 7.	} {	Epocha	17.
Cycle of the Sun 7		Rom Indict.	1.
Dominic. Let. F.		Num. direct.	10.

Calculated for the longitude of 315 gr.
and 42 gr. 30 min north latitude.

J. F.

Printed by J. Fafter, for J. Usher of
Boston. 1678.



The Dominion of the Moon in Man's Body
(according to Astronomers)



The Head and Face the Ram doth crave,
The Neck and Throat, the Bull will have,
The loving Twins do rule the Hands,
The Breast and Sides in Cancer bands,
The Heart and Back the Lyon claims,
Bowels and Belly Virgo gains;
The Reins and Loins are Libra's part,
The Secrets Scorpio's are by Art;
Thighs to the Archer do pertain,
And Capricorn the Knees doth gain,
Aquarius hath the Legs alone,
And Pisces must have Feet, or none.

MARCH hath 31 Days.

Left quarter, 5 day 46 min past 9 night.

New moon 12 day 47 min. past 12 noon.

Second quarter 19 day 57 min. past 12 night.

Full moon 27 day 14 min. past 11 night.

1	6	Δδ	84	Δ8	21	36	6	12
2	7	Δ4			22	36	6	11
3	1			□8)	23	35	6	10
4	2	84			24	35	6	08
5	3	Court at Boston. C. Plim.			25	34	6	07
6	4	County Court Hartford.			26	34	6	05
7	5				27	33	6	04
8	6				28	33	6	02
9	7	*8	*8		29	32	6	01
10	1		84)		30	32	6	00
11	2	County Court Fairfield.			1	31	5	59
12	3				2	30	5	57
13	4		*8)		3	30	5	56
14	5				4	29	5	55
15	6	*8		*4	5	28	5	53
16	7				6	26	5	52
17	1	*8	□8)	□8)	7	27	5	50
18	2				8	26	5	47
19	3				9	25	5	45
20	4	Δ4	Δ8)		10	24	5	44
21	5		88		11	23	5	43
22	6		Δ8)		12	22	5	41
23	7	84			13	21	5	40
24	1				14	20	5	39
25	2	84	88	88	15	19	5	38
26	3	Court Ipsw. & N. Hampton.			16	18	5	37
27	4				17	16	5	36
28	5				18	15	5	34
29	6	88)			19	14	5	33
30	7		Δ8	Δ4	20	13	5	32
31	1	84			21	11	5	30

Mercury 10 day noon. •
 Mars 10 day 7 at night.
 The moon is with { Jupiter 11 day 8 before noon
 Venus 14 day 11 night.
 Saturn 17 day 1 morning.

March. 1678.		
1	1	34
2	2	25
3	3	15
4	4	09
5	5	02
6	6	00
7	6M	30
8	7	30
9	8	30
10	9	27
11	10	20
12	11	12
13	12	00
14	12	50
15	1	44
16	2	37
17	3	30
18	4	20
19	5	09
20	6	00
21	6M	28
22	7	14
23	7	58
24	8	43
25	9	29
26	10	09
27	10	50
28	11	38
29	12	25
30	01	17
31	02	09

APRIL hath 30 dayes.

Last quarter 4 day 4 min. past 4 morning.

New moon 10 day 5 1 min. past 10 night.

Second quarter 18 day 48 min past 1 after noon

Fall moon 26 day 1 min. past noon.

1	2	□ ♄ ⊙ △ ⊙)	22	09	♄ 5	28
2	3	Court Cambridge.	23	08	♄ 5	27
3	4		24	06	♄ 5	26
4	5	* ♂ * ♀	25	05	♄ 5	24
5	6	△ ♄ * □)	26	03	☿ 5	23
6	7	* ♀	27	02	☿ 5	22
7	1	□ ♄)	28	00	♄ 5	20
8	2	♄ ⊙	28	59	♄ 5	18
9	3	County Court Salisbury.	29	57	♄ 5	17
10	4		00	55	♄ 5	16
11	5	☿)	01	54	☿ 5	15
12	6	* ♄)	02	52	☿ 5	14
13	7	* ♂)	03	50	♄ 5	13
14	1	□ ♄) ♄ ♀	04	48	♄ 5	11
15	2	* ♀) □ ♂)	05	46	♄ 5	10
16	3	* ⊙)	06	45	♄ 5	09
17	4	△ ♄)	07	43	♄ 5	07
18	5	△ ♂) □ ♀)	08	41	☿ 5	06
19	6	Moon Apogæon.	09	39	☿ 5	05
20	7		10	37	☿ 5	03
21	1	* ♄ ♂) ♄ ⊙	11	35	☿ 5	02
22	2	♄ ♄)	12	33	☿ 5	01
23	3	♄ ♂)	13	30	☿ 5	00
24	4	♄ ♀)	14	28	☿ 4	59
25	5		15	25	♄ 4	57
26	6	♄ ⊙) ♄ ♀)	16	23	♄ 4	56
27	7		17	22	♄ 4	55
28	1	♄ ♄) * ♄ ♀	18	20	♄ 4	54
29	2		19	18	♄ 4	53
30	3	County Court Boston.	20	15	♄ 4	52

The moon is with { *Jupiter* 8 day 3 morning.
Mars 8 day 4 afternoon.
Mercury 9 day 11 at night.
Venus 10 day 8 night.
Saturn 13 day 5 afternoon.

April. 1678.

1	3	05
2	4	04
3	5	03
4	6	00
5	7	00
6	7M	27
7	8	20
8	9	13
9	10	02
10	10	50
11	11	40
12	12	29
13	1	23
14	2	17
15	3	08
16	3	57
17	4	48
18	5	38
19	6	23
20	7	05
21	7M	27
22	8	09
23	8	56
24	9	37
25	10	23
26	11	13
27	12	07
28	01	00
29	02	00
30	03	00

Full Sea
Boston.

MAF bath 31 days.

Last quarter 5 day, 25 min. past 9 morning
 New moon 10 day 13 min past ten before noon.
 Second quar. 18 day 30 min past 9 before noon.
 Full moon 25 day 14 min past 9 night.

14 Venus stat ad direct.

25
 36 *QD
 47 □h) □x
 51 δ4 δh2

84 Court ELECTION Boston.

91 Court ELECTION Harford.

117 δh)
 121 □4 δx
 132 *Qx

176 Δδ Δo
 187 □h)

202 δ4)
 213 δδ) δq)

226 Sol & Saturnus conjunct.

272 Δδ) δx)
 282 Court assist. Harford.

296 Moon Perigeeon

21	13	v	4	51
22	10	z	4	50
23	08	z	4	49
24	06	x	4	48
25	04	x	4	47
26	02	v	4	46
26	59	v	4	45
27	56	o	4	44
28	54	o	4	43
29	52	π	4	42
00	49	π	4	41
01	46	π	4	40
02	44	ϙ	4	39
03	41	ϙ	4	38
04	39	η	4	37
05	36	η	4	36
06	34	η	4	36
07	32	π	4	35
08	28	π	4	34
09	26	π	4	33
10	23	π	4	33
11	20	π	4	32
12	17	π	4	32
13	14	π	4	31
14	12	π	4	30
15	09	π	4	30
16	06	v	4	29
17	03	v	4	29
18	00	z	4	28
18	57	z	4	28
19	54	x	4	28

The Sun place.

Sun rising.

The moon is with { *Jupiter* 4 day 9 at night
Venus 7 day 5 at night
Mars 7 day 3 afternoon.
Saturn 11 day 9 before noon.
Mercury 12 day 3 afternoon

1	4	00
2	4	57
3	5	58
4	6M	20
5	7	05
6	7	57
7	8	47
8	9	37
9	10	27
10	11	17
11	12	10
12	1	05
13	1	55
14	2	42
15	3	30
16	4	20
17	5	06
18	5	50
19	6	30
20	6M	50
21	7	27
22	8	12
23	9	01
24	9	50
25	10	46
26	11	42
27	12	45
28	1	47
29	2	47
30	3	47
31	4	47

JUNE hath 30 days.

Last quarter 1 day 35 min. past 2 afternoon.

New moon 8 day 8 min past 11 night.

Second quar. 17 day 43 min. past 1 morning

Full moon 24 day 29 min past 9 morning.

Last quarter 30 day 55 min. past 8 right.

17	*♂)	20	52	✕	4	28
21		21	49	✓	4	28
32	Artillery Election Boston	22	49	✓	4	28
43	C. Elect. Plim. C.N. London	23	43	○	4	27
54		24	40	○	4	27
65	*♂) ☽	25	38	○	4	27
76	*♀	26	35	II	4	27
87		27	32	II	4	26
91	□♂)	28	29	☽	4	26
102	*♂) *♀)	29	27	☽	4	26
113	△♂)	00	24	☽	4	26
124	County Court N. Haven.	01	21	☽	4	26
135		02	18	☽	4	26
146	□♂) *♂)	03	15	☽	4	26
157	□♂) △♂) △♀)	04	12	☽	4	26
161		05	09	☽	4	25
172	△♂) ☽	06	06	☽	4	26
183	County Court Charlestown.	07	03	☽	4	26
194	♂♂) ♂♀)	08	00	☽	4	27
205	♂♂) ♂♀)	08	58	☽	4	27
216	△♂)	09	55	☽	4	27
227		10	52	☽	4	28
231	□♂) □♀)	11	49	☽	4	28
242	△♂)	12	46	☽	4	28
253	Court Salem & Dover.	13	43	☽	4	29
264		14	40	☽	4	29
275	□♂) □♀)	15	37	☽	4	30
286	□♂)	16	34	☽	4	30
297	*♂) *♀)	17	31	☽	4	31
301	*♂) *♀)	18	28	☽	4	31

The moon is with

Venus 5 day 3 morning.
Mars 5 day 11 before noon.
Saturn 7 day 11 night.
Mercury 9 day 11 night.
Jupiter 29 day 7 morning.

June. 1678.

1	5	28
2	5M	53
3	6	49
4	7	28
5	8	15
6	9	04
7	9	57
8	10	48
9	11	42
10	12	30
11	1	15
12	1	58
13	2	41
14	3	30
15	4	19
16	5	00
17	5	40
18	6	23
19	6M	45
20	7	35
21	8	26
22	9	20
23	10	23
24	11	27
25	12	33
26	1	30
27	2	27
28	3	22
29	4	13
30	5	00

Full Sea Botton.

JULY hath 31 days.

New moon 8 day at 1. afternoon.

Second quarter 16 day 1 min. past 4 afternoon.

Full moon 22 day 30 min past 1 afternoon.

Last quarter 30 day 28 min. past 3 morning.

1 2	Artillery Election Salem.	19	28	V	5	42
2 3	Court Plimouth.	20	23	☾	4	33
3 4		21	20	☾	4	33
4 5	☐ ♀ * ♀ ♂	22	17	☿	4	34
5 6		23	14	☿	4	35
6 7	☐ ♀	24	10	☿	4	36
7 1		25	08	☿	4	36
8 2	Δ ♀	26	05	☿	4	37
9 3	* ♂ * ♀	27	02	☿	4	38
10 4	Mercurii Elong. max. a Sole.	28	00	☿	4	39
11 5		28	57	☿	4	40
12 6	☐ ♂ ☐ ♀	29	54	☿	4	41
13 7		00	52	☿	4	42
14 1	Jupiter Stationary.	01	49	☿	4	43
15 2		02	48	☿	4	44
16 3	♂ ♀ Δ ♀ ☉	03	44	☿	4	45
17 4		04	40	☿	4	46
18 5	Dog days begin.	05	38	☿	4	47
19 6		06	36	☿	4	48
20 7	♂ ♀ ♂ ♀	07	33	☿	4	49
21 1		08	30	☿	4	50
22 2	♂ ♀	09	28	☿	4	51
23 3	Moon Perigæon.	10	25	☿	4	52
24 4		11	23	☿	4	53
25 5		12	20	☿	4	54
26 6	Δ ♀ ☐ ♀	13	18	☿	4	55
27 7	Δ ♀ Δ ♀ ☐ ♀	14	15	☿	4	56
28 1	* ♂ ☐ ♀	15	13	☿	4	57
29 2		16	10	☿	4	58
30 3	County Court Boston.	17	08	☿	4	59
31 4	♂ ♀	18	05	☿	5	01

The moon is with

Mars 4 day 7 before noon.
Venus 4 day 1 afternoon.
Saturn 5 day 1 afternoon.
Mercury 6 day 6 afternoon.
Jupiter 27 day 1 morning.

1	5	M ⁴⁷
2	6	10
3	7	00
4	7	Full 51
5	8	42
6	9	33
7	10	25
8	11	10
9	11	57
10	12	45
11	1	30
12	2	15
13	2	55
14	3	37
15	4	17
16	5	00
17	5	45
18	6	34
19	7	M ⁰³
20	8	04
21	9	04
22	10	07
23	11	05
24	12	10
25	1	06
26	2	02
27	3	54
28	3	42
29	4	30
30	5	19
31	6	04

July. 1678.

AUGUST hath 31 Days.

New moon 7 day 1 min. past 4 morning.
 Second quarter 15 day 12 min. past 4. morning.
 Full moon 21 day 39 min past 8 night.
 Last quarter 28 day 20 min. past 5 afternoon.

1	5	*○D		*♀D	19	01	II	5	02
2	6		□4D		19	58	II	5	03
3	7				20	56	III	5	05
4	1	○O♀	*h○	*h♀	21	54	III	5	06
5	2			△4D	22	51	III	5	07
6	3		*♂♀		23	49	III	5	08
7	4				24	47	III	5	09
8	5		Moon Apogæon		25	45	III	5	11
9	6				26	43	III	5	12
10	7		♂4D		27	41	III	5	14
11	1	△hD		□♀)	28	39	III	5	15
12	2		△♂)	*♂○	29	37	III	5	17
13	3		Commencement.		00	34	m	5	18
14	4				1	32	m	5	19
15	5		△4)		2	30	I	5	20
16	6	♂h)		□4♂	3	28	I	5	21
17	7		♂♂)	△○D	4	26	V	5	23
18	1				5	24	V	5	25
19	2		*4)	♂♀)	6	22	III	5	27
20	3		△I)		7	20	III	5	28
21	4	♂♀D	△♂D	□h♀	8	18	X	5	29
22	5		□h)	△4♀	9	16	X	5	30
23	6		Moon Perigæon.		10	14	V	5	31
24	7				11	13	V	5	33
25	1	*♂)		□♀)	12	12	X	5	34
26	2		△○)	♂4♀	13	10	X	5	35
27	3		Dog dayes end.		14	09	II	5	37
28	4				15	07	II	5	38
29	5		□4D		16	05	II	5	40
30	6				17	04	III	5	42
31	7				18	03	III	5	43

Saturn 1 day 11 night.
Mars 2 day 1 morning.
 The moon is with { *Venus* 3 day 11 before noon.
 Mercury 7 day 10 before noon.
 Jupiter 23 day 9 before noon.

1	6M	34
2	9	30
3	8	23
4	9	17
5	9	59
6	10	45
7	11	25
8	12	13
9	12	53
10	1	35
11	2	18
12	2	58
13	3	47
14	4	33
15	5	21
16	5M	55
17	6	55
18	7	52
19	8	53
20	9	54
21	10	53
22	11	49
23	12	45
24	1	38
25	2	29
26	3	18
27	4	12
28	5	05
29	5	55
30	6	46
31	7	37

August 16-8.

Full Sea Boston.

SEPTEMBER hath 30 dayes:

New moon 9 day 7 min. past 8 night.

Second quarter 13 day 16 min past 2 after noon.

Full moon 20 day 1 min. past 5 morning.

Last quarter 27 day 46 min. past 8 morning.

11	1		19	03	☾	5	44
22		☐☐	20	02	☾	5	45
33	Court affize Boston.		20	59	☾	5	47
44			21	57	☾	5	49
55	County Court Hartford.		22	56	☾	5	50
66			23	54	☾	5	51
77	☐☐	☐☐	24	53	☾	5	53
81			25	52	☾	5	55
92	Artillery Elect. Cambridge.		26	51	☾	5	56
103			27	50	☾	5	58
114		☐☐	28	49	☾	5	59
125			29	48	☾	6	01
136	☐☐	☐☐	00	47	☾	6	02
147			01	46	☾	6	03
151	☐☐	☐☐	02	45	☾	6	05
162			03	44	☾	6	07
173	Court N. London.) perig.		04	43	☾	6	09
184			05	42	☾	6	10
195		☐☐	06	41	☾	6	12
206	☐☐		07	40	☾	6	13
217			08	40	☾	6	15
221	☐☐	☐☐	09	39	☾	6	16
232			10	38	☾	6	17
243	Court Ipswich & Springs.		11	37	☾	6	18
254			12	36	☾	6	19
265			13	36	☾	6	20
276		☐☐	14	35	☾	6	22
287	Saturn Stationary.		15	35	☾	6	23
291			16	34	☾	6	25
302		☐☐	17	34	☾	6	26

The moon is with

July 2 day 3 afternoon

August 8 day 1 afternoon

September 19 day 1 afternoon

October 25 day 7 night

March 28 day 9 before noon

1	08	02
2	08	48
3	09	33
4	10	17
5	11	00
6	11	00
7	12	23
8	1	05
9	1	49
10	2	39
11	3	30
12	4	21
13	5	12
14	6	03
15	6M	47
16	7	49
17	8	47
18	9	44
19	10	37
20	11	30
21	12	24
22	1	18
23	2	08
24	3	00
25	3	00
26	4	00
27	5	00
28	6	30
29	6	51
30	7	00

SEPTEMBER. 1678.

OCTOBER hath 31 Days.

New moon 5 day 32 min. past 12 noon.
 Second quarter 12 day 46 min. past 10 night.
 Full moon 19 day 32 min past 3 afternoon.
 Last quarter 27 day 30 min. past 3 morning.

13	County Court Cambridge.	18	33	☿	6	27
24		19	32	☿	6	29
35	♂ ♀	20	32	☿	6	30
46	☐ ♀	21	32	☿	6	31
57	△ ♀	22	31	☿	6	32
61	☐ ♂ ♀	23	31	☿	6	34
72	☿	24	31	☿	6	35
83	Court Hampton.	25	30	☿	6	37
94		26	30	☿	6	39
105	♂ ♀ ☐ ♀ ☐ ♂ ♀	27	30	☿	6	40
116		28	30	☿	6	41
127	♂ ☉	29	30	☿	6	42
131	♂ ♂	30	30	☿	6	43
142	△ ♀	01	30	☿	6	44
153	△ ☉	02	30	☿	6	45
164	Moon perigæon.	03	30	☿	6	47
175	♂ ♀	04	30	☿	6	48
186		05	30	☿	6	49
197	☐ ♂	06	30	☿	6	50
201	* ♀	07	31	☿	6	51
212	☐ ♂ ☉	08	31	☿	6	53
223	♀ ♀ at. ad direct.	09	31	☿	6	54
234		10	31	☿	6	56
245	△ ☉	11	32	☿	6	57
256	△ ♀	12	32	☿	6	59
267	☐ ♀	13	32	☿	7	00
271	Mercurii Elong. max. a Sole.	14	33	☿	7	01
282	☐ ♀	15	33	☿	7	02
293	Count. Court. Boston & Plim.	16	33	☿	7	03
304	☐ ♀	17	34	☿	7	05
315	♂ ♀	18	34	☿	7	07

The moon is with

Venus 3 day 1 morning.

Mercury 6 day 4 afternoon.

Jupiter 16 day 8 afternoon.

Saturn 23 day 1 morning.

Mars 26 day 7 afternoon.

1	8	26	October. 1678.
2	9	07	
3	9	49	
4	10	31	
5	11	13	
6	12	00	
7	12	47	
8	1	35	
9	2	29	
10	3	23	
11	4	21	
12	5	20	
13	6	17	
14	6	M 45	
15	7	39	
16	8	31	
17	9	22	
18	10	15	
19	11	10	
20	12	01	
21	12	58	
22	1	54	
23	2	48	
24	3	41	
25	4	36	
26	5	18	
27	6	00	
28	6	M 23	
29	7	04	
30	7	47	
31	8	30	

NOVEMBER hath 30 dayes.

New Moon 4 day 42 min. past 4 morning.
 Second quar. 11 day 34 min. past 6 morning.
 Full moon 18 day 33 min past 4 morning.
 Last quarter 26 day 58 min. in the morning.

1/6	△h)	19	35	7	08
2/7		20	35	m	09
3/1	□♂)	21	36	m	10
4/2		22	37	m	11
5/3	Court Fairfield.	23	37	7	12
6/4	♂h) □4)	24	38	7	13
7/5	*♀) *♀)	25	39	7	14
8/6		26	40	7	15
9/7	Jupiter stationary.	27	41	7	16
10/1	Moon perigæon.	28	42	7	17
11/2	□♂♀	29	43	7	18
12/3		00/2	44	7	19
13/4	County Court Newhaven.	1	45	7	20
14/5		2	46	7	21
15/6		3	47	7	22
16/7	♂♀) △4) □♂♀	3	47	7	22
17/1	♂♀))♂	5	48	7	23
18/2		6	49	7	24
19/3	□4) *♂)	7	50	7	25
20/4		8	51	7	25
21/5	△4) △♀) △4♀	9	52	7	26
22/6		10	53	7	27
23/7	△⊙) ♂♂	11	54	7	27
24/1	*h) □♀)	12	56	7	28
25/2		13	57	7	28
26/3	Court Salem. ♂4)	14	58	7	29
27/4		15	59	7	29
28/5	*⊙) *♂)	17	02	7	30
29/6	△h) *♂)	18	01	7	30
30/7		19	03	m	31

The moon is with

Venus 2 day 11 before noon.

Mercury 2 day 3 afternoon.

Jupiter 19 day 10 night.

Saturn 19 day 8 morning.

Mars 23 day 11 night.

1	09	10
2	09	54
3	10	40
4	11	33
5	12	25
6	1	20
7	2	15
8	3	13
9	4	12
10	5	05
11	5	58
12	6M	24
13	7	12
14	8	00
15	8	51
16	9	46
17	10	39
18	11	35
19	12	30
20	1	22
21	2	12
22	3	05
23	3	58
24	4	50
25	5	17
26	6	00
27	6M	19
28	6	57
29	7	35
30	8	23

November. 1678.

DECEMBER hath 31 dayes.

New moon 3 day 15 min. past 7 night.

Second quarter 10 day 38 min. past 2 afternoon.

Full moon 17 day 5 min. past 8 night.

Last quarter 25 day 53 min. past 9 night.

1	11	Δ 4)	□ 8)	20	04	m	7	31
2	22	Δ 8 ⊙	♂ h ⊙	21	05	7	7	31
3	33	♂ h ♀	Δ 8 ♀	22	06	7	7	32
4	44	□ 4)	* h ♂	23	07	7	7	32
5	55			24	08	7	7	33
6	66	□ 4 ⊙	□ 4 ♀	25	09	7	7	33
7	77	♂ ♂)	♂ ⊙ ♀	26	10	7	7	33
8	81			27	11	7	7	33
9	92	Moon Perigæon.		28	12	7	7	34
10	103			29	13	7	7	34
11	114	Mars stat. retrogr.		30	14	7	7	44
12	125	Δ ⊙)	♂ h ♀	01	15	7	7	34
13	136			02	16	7	7	34
14	147	□ 8)	♂ ♀	03	17	7	7	34
15	151			04	18	7	7	34
16	162	* ♂)	♂ ♀)	05	19	7	7	33
17	173	County Court Charlstown.		06	20	7	7	33
18	184			07	21	7	7	23
19	195	Δ 4		08	22	7	7	32
20	206			09	23	7	7	32
21	217	* ⊙)	♂ ♂)	10	24	7	7	31
22	221			11	25	7	7	31
23	232	Moon Apogæon.		12	26	7	7	30
24	243			13	27	7	7	29
25	254	□ ⊙	□ ♀)	14	28	7	7	29
26	265	Δ h)	* 4 ♀	15	29	7	7	28
27	276	♂ ♂)		16	30	7	7	28
28	287	* ⊙)	□ 8)	17	31	7	7	27
29	291			18	32	7	7	27
30	302	♂ 4)	* h ♂	19	33	7	7	26
31	313			20	34	7	7	26

The moon is with

New 2 day 5 night
 First 3 day 4 night
 Full 10 day 8 night
 Last 16 day 1 night
 New 21 day 8 night

December. 1678.		
1	9	15
2	10	05
3	10	55
4	11	52
5	12	50
6	1	51
7	2	49
8	3	47
9	4	40
10	5	30
11	6	15
12	6	36
13	7	27
14	8	17
15	9	12
16	10	06
17	10	55
18	11	47
19	12	39
20	1	32
21	2	13
22	2	57
23	3	38
24	4	19
25	4	58
26	5	38
27	6	00
28	6	44
29	7	35
30	8	27
31	9	26

JANUARY 31 days.

New moon 2 day 5 min. past 7 morning.
 First quarter 8 day 43 min. past 11 night.
 Full moon 16 day 24 min. past 1 afternoon.
 Last quarter 24 day 21 min. past 5 afternoon.
 New moon 31 day 42 min. past 6 night.

14	☉	*♂	21	45	V	7	25
25	☉	*♂	22	46	V	7	25
36	☉	*♂	23	47	V	7	24
47	☉	*♂	24	48	V	7	24
51	☉	*♂	25	49	V	7	23
62	☉	*♂	26	50	V	7	23
73	☉	*♂	27	51	V	7	22
84	☉	*♂	28	52	V	7	21
95	☉	*♂	29	53	V	7	20
106	☉	*♂	00	54	V	7	19
117	☉	*♂	01	55	V	7	18
128	☉	*♂	02	56	V	7	17
139	☉	*♂	03	57	V	7	16
150	☉	*♂	04	58	V	7	15
161	☉	*♂	05	59	V	7	14
172	☉	*♂	06	00	V	7	13
183	☉	*♂	07	01	V	7	12
194	☉	*♂	08	02	V	7	11
205	☉	*♂	09	03	V	7	10
216	☉	*♂	10	04	V	7	09
227	☉	*♂	11	05	V	7	07
238	☉	*♂	12	06	V	7	06
249	☉	*♂	13	07	V	7	05
260	☉	*♂	14	08	V	7	04
271	☉	*♂	15	09	V	7	03
282	☉	*♂	16	10	V	7	02
293	☉	*♂	17	11	V	7	01
304	☉	*♂	18	12	V	7	00
315	☉	*♂	19	13	V	7	59
326	☉	*♂	20	14	V	7	58
337	☉	*♂	21	15	V	7	57
348	☉	*♂	22	16	V	7	56

Moon Perigee.

Moon Apogee.

County Court Boston.

The moon is with

Venus 1 day 7 afternoon
Mercury 3 day 1 afternoon.
Jupiter 6 day 10 at night.
Saturn 12 day 5 night.
Mars 17 day 1 morning.

January. 1678.

1	10	21
2	11	23
3	12	23
4	1	20
5	2	15
6	3	04
7	3	55
8	4	47
9	5	40
10	6	30
11	6M	55
12	7	47
13	8	40
14	9	31
15	10	23
16	11	12
17	12	00
18	12	42
19	1	28
20	2	09
21	2	49
22	3	27
23	4	05
24	4	52
25	5	39
26	6	31
27	7M	00
28	7	58
29	8	57
30	9	56
31	10	55

FEBRUARY hath 28 dayes.

Second quar. 7 day 49 min. part 9 morning.

Full moon 15 day 5 1 min past 7 morning.

Laft quarter 23 day 49 min. past 9 morning.

[illegible]

The moon is with { *Jupiter* 3 day 2 afternoon.
Saturn 8 day 9 night.
Mars 12 day 1 afternoon.
Mercury 28 day 8 before noon

February. 1678.		
1	11	52
2	12	50
3	1	45
4	2	37
5	3	28
6	4	25
7	5	12
8	6	08
9	6M	35
10	7	25
11	8	15
12	9	06
13	9	55
14	10	40
15	11	27
16	12	07
17	12	48
18	1	27
19	2	08
20	2	50
21	3	40
22	4	32
23	5	25
24	6	15
25	6M	42
26	7	42
27	8	45
28	9	44

Directions for the Use of the *Kalendar*.

After the Aspects of the Sun and Moon on the top of the page on the left hand, and the Conjunction of the moon with the other planets on the other page, you have for every moneth nine Columns, containing. 1. The day of the Moneth. 2 The day the week, the use whereof is to find the day of the moneth. 3 Some principal Aspects, Courts &c. 4 The Suns place. 5 The moons place. 6 The time of the Suns rising; the time of setting may be found by subtracting the time of rising from twelve, what remains is the time of the Suns setting.

On the right hand page you have the day of the moneth, and the time of Full Sea or high water at *Easton*: The use whereof is to know the time of the tide, for the time present or to come, as for Example. I would know at what time of the day it will be high water the first day of *March*, I find against the first day 1 34 the first figure being the hour of the day, and the other the minutes past that hour, 34 minutes past 1 afternoon: the tide in the day only is noted, and when it is changed to the morning, it is known by the letter M: The time of high water in the night may be known exactly enough, by adding 25 minutes to the time of high water in the day; and by adding 6 hours 12 min. the time of low water may likewise be found.

OF THE
ECLIPSES
of this Year, 1678.

IN this Year will happen five Eclipses, viz. three of the Sun, and two of the Moon, but none of them visible in *New-England*.

The first is an Eclipse of the Sun, *April 10.* at eleven at night.

The second is of the Moon, *April 26* at noon, which will appear a total, and almost central Eclipse in the meridian of our *Antipodes*.

The third is of the Sun *Octob. 5.* about noon, yet invisible to us by reason of the moons great South Latitude.

The fourth is a very great Eclipse of the moon, *Octob. 19.* half an hour past three afternoon, visible in *Europe*, and to those who are sailing thither, or from thence, yet clears her self of the Earths shadow ere she appear in our Hemisphere.

The last is of the Sun, *Novemb. 4.* in the morning

March 25. happens a notable Conjunction of *Jupiter* and *Mars*, their Longitudes and Latitudes being the same: it may be seen about an hour before the Sun rises, those Planets then beginning to ascend our Horizon.

The

The Course of the Spring-tides this year.

THe Ebbing and Flowing of the Tide having its dependance principally upon the motion of the Moon, it thence comes to pass, that as many varietyes of motion and place as the moon is subject to: as various is the Tide for time and quantity, in all, or most places of the World:

With us in *New-England*, it is very apparent the Spring-Tides sometimes rise to an Extraordinary height, to the great damage of Husbandmen, who sometimes neglect their Opportunity of Mowing for fear of the Tide, and at another time they Mow for the Tide to carry away; which might be in great measure prevented if the Course of the Tide were observed: There are several things which do more or less cause the Tide to swell, which are as followeth.

1. The Change and Full of the Moon. but especially the Change: the Reason may be because the Sun as well as the Moon hath some Influence upon the Tide.

2. The Moon being *Perigæon*, or near the Earth, which alwayes causes the Tide to spring, but then especially when at the same time it is either near the Change, or Full.

3. The

The Course of the Tide, 1678.

3. The Moon having *North Latitude*.
4. The wind being between *South* and *North-East*: which will sometimes (if it be violent) by it self bring in a *Spring-Tide*, and the contrary suppress it when else it would be very high.
5. A Temperature of Air being neither hot nor cold either of which being *Enemies to Moisture*, hinder the *Springing* of the Tide, as is apparent in that they rise much higher in *Summer* time in the night then in the day, and on the contrary much higher in the day then night in the winter, but in the *Spring* and *Fall* are indifferent; which two last, *viz. wind* and *weather* being very uncertain, (especially in winter) do sometimes considerably vary the Tide from what else it would be.

The Spring-Tides will this year be as followeth.

March and *April* begin to rise about the sixth day, continue high till the Change, but fall immediately after.

In the beginning of *May*, begin to rise, continue indifferently Full till the Change: then very low till toward the end of the Moneth.

June, they rise a day or two after the Full, and so continue (though not very high) till the Change, after which are very low till the Full.

July, at the Full and several dayes after.

August,

The Course of the Tide, 1678.

August. very high at the Full only.

September. at the Full.

October. at the Full but fall presently after.

November. from the Change to the Full, Or both at Full and at Change.

December; rather at the Change.

January. at the Change only.

February. very high in the beginning of the Month, so likewise the last dayes, or rather beginning of *March*, Moon being *Perige*, and in Conjunction with the Sun & the Spring of the year, all Concur to make a very high Tide.

F E B R U A R Y

The Full moon in *July* is by mistake of a figure on a wrong day, and must be thus mended.

Full moon 23 day 30 min. past 1 afternoon.

John

